

IN THE CLAIMS

D Please delete claims 1-6, 11, 12, 14 and 16-34. ✓

Please add new claims 35-45.

35. (New) A purified polynucleotide having a sequence selected from the group consisting of SEQ ID NOS:1-3 and complete complements of SEQ ID NOS:1-3.

36. (New) The purified polynucleotide of claim 35, wherein the polynucleotide is produced by recombinant techniques.

D³ 37. (New) The purified polynucleotide of claim 35, wherein the polynucleotide is produced by synthetic techniques.

38. (New) The purified polynucleotide of claim 35, wherein the polynucleotide comprises at least one epitope.

39. (New) A recombinant expression vector for use in a desired host comprising:

Orb 9/17 a nucleic acid sequence that encodes an open reading frame of at least 5 amino acids, the nucleic acid sequence selected from the group consisting of SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, and nucleotides 51-284 of SEQ ID NO:7,

wherein the open reading frame is operably linked to a control sequence compatible with the desired host, the control sequence selected from the group consisting of promoters, terminators, enhancers, ribosomal binding sites and leader sequences.

40. (New) A cell transfected with the recombinant expression vector of claim 39.

41. (New) A cell transfected with a nucleic acid sequence encoding at least one epitope, the nucleic acid sequence selected from the group consisting of SEQ ID NOS:1-3 and complete complements of SEQ ID NOS:1-3.

42. (New) A composition of matter comprising:
a purified polynucleotide having a sequence selected from the group consisting of SEQ ID NOS:1-3 and complete complements of SEQ ID NOS:1-3.

43. (New) A purified polynucleotide which codes for a protein having a sequence selected from the group consisting of SEQ ID NO:15 and a complete complement of SEQ ID NO:15.

44. (New) A purified polynucleotide having a sequence selected from the group consisting of nucleotides 5-419 of SEQ ID NO:7 and a complete complement thereof.

45. (New) A purified polynucleotide having a sequence selected from the group consisting of nucleotides 518-284 of SEQ ID NO:7 and a complete complement thereof.